

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Previously Presented) A knee joint prosthesis system adapted to replace the articulating knee portion of a femur and a tibia, the femur having a resected engagement surface, said knee joint prosthesis system having a set of implants wherein the set of implants comprise:

a first femoral implant having:

a first maximum overall anterior to posterior dimension;

a first maximum overall medial to lateral dimension; and

a second femoral implant having:

a second maximum overall anterior to posterior dimension that is substantially the same as said first maximum overall anterior to posterior dimension; and

a second maximum overall medial to lateral dimension that is different than said first maximum overall medial to lateral dimension.

2. (Previously Presented) The knee joint prosthesis system of Claim 1, wherein said first femoral implant has a first maximum interior anterior/posterior dimension and said second femoral implant has a second maximum interior anterior/posterior dimension that is substantially the same as said first maximum interior anterior/posterior dimension.

3. (Previously Presented) The knee joint prosthesis system of Claim 1, further comprising a tibial implant operable to be attached to the tibia and having a tibial bearing surface.

4. (Previously Presented) The knee joint prosthesis system of Claim 3, further comprising a bearing member operable to be positioned between one of said first and said second femoral implants and said tibial implant.

5. (Previously Presented) The knee joint prosthesis system of Claim 4, wherein said bearing member is selected from a group consisting of a fixed bearing and a mobile bearing.

6. (Previously Presented) The knee joint prosthesis system of Claim 1, wherein said first femoral component implant is a first cruciate femoral implant and said second femoral implant is a second posterior stabilized (PS) femoral component implant.

7. (Previously Presented) The knee joint prosthesis system of Claim 1, wherein said first femoral implant is a first cruciate femoral implant and said second femoral implant is a second fully constrained femoral implant.

8. (Previously Presented) The knee joint prosthesis system of Claim 1, wherein said first femoral implant further comprises a first internal mating shape and

second femoral implant further comprises a second internal mating shape, said first internal mating shape being substantially the same as said second internal mating shape.

9. (Cancelled)

10. (Previously Presented) A knee joint prosthesis system adapted to replace the articulating knee portion of a femur and a tibia, the femur having a resected engagement surface, said knee joint prosthesis system having a set of implants wherein the set of implants comprise:

a first femoral implant having:

a first maximum interior anterior/posterior dimension;

a first maximum overall medial/lateral dimension; and

a second femoral implant having:

a second maximum interior anterior/posterior dimension that is substantially the same as said first maximum interior anterior/posterior dimension; and

a second maximum overall medial/lateral dimension that is different than said first maximum overall medial/lateral dimension.

11. (Previously Presented) The knee joint prosthesis system of Claim 10, wherein said first femoral implant further comprises a first maximum overall anterior to posterior dimension and said second femoral implant further comprises a second maximum overall anterior to posterior dimension, said first maximum overall

anterior/posterior dimension being substantially the same as said second maximum overall anterior/posterior dimension.

12. (Cancelled)

13. (Previously Presented) The knee joint prosthesis system of Claim 10, further comprising a tibial implant operable to be attached to the tibia and having a tibial bearing surface.

14. (Previously Presented) The knee joint prosthesis system of Claim 10, further comprising a bearing member operable to be positioned between at least one of said femoral implant and said second femoral implant and said tibial implant.

15. (Original) The knee joint prosthesis system of Claim 13, wherein said bearing member is selected from a group consisting of a fixed bearing and a mobile bearing.

16. (Cancelled)

17. (Previously Presented) The knee joint prosthesis system of Claim 10, wherein said first femoral implant further comprises a first internal mating shape and said second femoral implant further comprises a second internal mating shape, said first internal mating shape being substantially the same as said second internal mating shape.

18. (Previously Presented) A knee joint prosthesis system adapted to replace the articulating knee portion of a femur and a tibia, the femur having a resected engagement surface, the knee joint prosthesis having a set of implants wherein the set of implants comprises:

a first femoral implant having:

a first posterior condylar region having a first thickness;

a first maximum overall medial to lateral dimension; and

a second femoral implant having:

a second posterior condylar region having a second thickness that is different than said first thickness;

a second maximum overall medial to lateral dimension that is different than said first overall medial to lateral dimension.

19. (Cancelled)

20. (Previously Presented) The prosthesis system of Claim 18, wherein said first femoral implant further comprises a first maximum overall anterior to posterior dimension and said second femoral implant further comprises a second maximum overall anterior to posterior dimension that is substantially the same as said first maximum overall anterior to posterior dimension.

21. (Previously Presented) The prosthesis of Claim 18, wherein said first femoral implant further comprises a first maximum interior anterior/posterior dimension and said second femoral implant further comprises a second maximum interior anterior/posterior dimension that is substantially the same as said first maximum interior anterior/posterior dimension.

22. (Cancelled)

23. (Previously Presented) The prosthesis system of Claim 18, wherein said first femoral implant further comprises a first internal mating shape and said second femoral implant further comprises a second internal mating shape, said first internal mating shape being substantially the same as said second internal mating shape.

24. (Previously Presented) A method for implanting a femoral implant of a knee joint prosthesis system having a set of femoral implants to a femur having a resected engagement surface, said method comprising:

resecting the femur to provide the resected engagement surface;

providing a first femoral implant having a first maximum medial/lateral dimension and a first maximum interior anterior/posterior dimension;

providing a second femoral implant having a second maximum medial/lateral dimension that is different than said first maximum medial/lateral dimension and a second maximum interior anterior/posterior dimension that is at least substantially the same as said first maximum interior anterior/posterior dimension;

determining whether said first femoral implant or said second femoral implant is properly sized to first said resected engagement surface; and

securing either said first femoral implant or said second femoral implant to said femur.

25. (Previously Presented) The method of Claim 24, wherein said first femoral implant further comprises a first maximum overall anterior/posterior dimension and said second femoral implant further comprises a second maximum overall anterior/posterior dimension that is substantially the same as said first maximum overall anterior/posterior dimension.

26. – 27. (Cancelled)

28. (Previously Presented) The method of Claim 24, wherein said first femoral implant further comprises a first internal mating shape and said second femoral implant further comprises a second internal mating shape, said first internal mating shape being substantially the same as said second internal mating shape.

29. (New) A knee joint prosthesis system adapted to replace the articulating knee portion of a femur and a tibia, the femur having a resected engagement surface, said knee joint prosthesis system having a set of implants wherein the set of implants comprise:

- a first femoral implant having:

- a first maximum overall exterior anterior to posterior dimension;

- a first maximum interior anterior to posterior dimension; and

- a first condyle having a first posterior thickness;

- a second femoral implant having:

- a second maximum overall exterior anterior to posterior dimension that is greater than said first maximum overall exterior anterior to posterior dimension;

- a second maximum interior anterior to posterior dimension that is substantially the same as said first maximum interior anterior to posterior dimension; and

- a second condyle having a second posterior thickness that is greater than said first posterior thickness;

- a tibial implant having a tibial bearing surface; and

- a bearing member operable to be positioned between one of said first and said second femoral implants and said tibial implant.

30. (New) The knee joint prosthesis system of Claim 29, wherein said first femoral implant is a first cruciate femoral implant and said second femoral implant is a posterior stabilized femoral implant.

31. (New) The knee joint prosthesis system of Claim 29, wherein said first femoral implant is a first cruciate femoral implant and said second femoral implant is a fully constrained femoral implant.

REMARKS

Claims 1-8, 10-11, 13-15, 17-18, 20-21, 23-25, 28, and 29-31 are now pending in the application. Claims 29-31 are now added. The new claims are fully supported by the application as originally filed on May 15, 2001 and do not introduce new subject matter. For example, support for Claims 29-31 can be found at least at Figures 2a – 2b and at least at paragraphs [0045] – [0056]. Applicants respectfully request entry and consideration of the new claims.

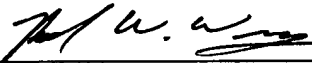
CONCLUSION

If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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